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L10: Entry 38 of 59

File: USPT

Aug 13, 1996

US-PAT-NO: 5546583

DOCUMENT-IDENTIFIER: US 5546583 A

TITLE: Method and system for providing a client/server interface in a programming language

DATE-ISSUED: August 13, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shriver; David I.	Euless	TX	N/A	N/A

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY	N/A	N/A	02

APPL-NO: 8/ 223276

DATE FILED: April 5, 1994

INT-CL: [6] G06F 13/00

US-CL-ISSUED: 395/650; 364/DIG.1, 364/284.4

US-CL-CURRENT: 709/313; 709/330

FIELD-OF-SEARCH: 395/650

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

☐ Search Selected☐ Search ALL

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5086504</u>	February 1992	Nemeth-Johannes et al.	395/700
<input type="checkbox"/> <u>5255386</u>	October 1993	Prager	395/600
<input type="checkbox"/> <u>5257366</u>	October 1993	Adair et al.	395/600
<input type="checkbox"/> <u>5287514</u>	February 1994	Gram	395/700
<input type="checkbox"/> <u>5291585</u>	March 1994	Sato et al.	395/500
<input type="checkbox"/> <u>5317722</u>	May 1994	Evans	395/500
<input type="checkbox"/> <u>5430876</u>	July 1995	Schreiber et al.	395/650

OTHER PUBLICATIONS

Shriver, David I., "REXX in the CICS Environment", Third REXX Symposium Annapolis, Maryland, 1992, pp. 1-41.

Shriver, David I., "Research on REXX in the CICS Environment", Share 80 San Francisco 1916, 1993, pp. 1-44.

Shriver, David I., "Research on REXX in the CICS Environment", Share 77 Chicago, Illinois 1940, 1991, pp. 1-36.

ART-UNIT: 236

PRIMARY-EXAMINER: Heckler; Thomas M.

ATTY-AGENT-FIRM: Mims, Jr.; David A. Terry; L. Bruce Dillon; Andrew J.

ABSTRACT:

In a data processing system, a programming language processor capable of executing program code is provided. A client program and a server program are also provided within said data processing system. The client program and the server program are comprised of program code capable of execution within said data processing system. Once the client and server programs are invoked, the client program sends a request for a service to the server program. In response to program code within the server program, a request is sent to the client program for a service that requires access to a variable within the client program. The client program then processes the request from the server program and sends the server program a response. Thereafter, the server program continues processing the request from the client program in response to gaining access to the variable in the client program. If the server program has not been initialized when the client program requests a service, the client program automatically initializes the server program.

8 Claims, 6 Drawing figures

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L8: Entry 2 of 9

File: USPT

Feb 20, 2001

US-PAT-NO: 6192282

DOCUMENT-IDENTIFIER: US 6192282 B1

TITLE: Method and apparatus for improved building automation

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smith; Marjorie L.	Garland	TX	N/A	N/A
Smith; Mark E.	Garland	TX	N/A	N/A
Gelling; Richard R.	Rowlett	TX	N/A	N/A
Cogbill; Michael L.	Dallas	TX	N/A	N/A

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Intelihome, Inc.	Dallas	TX	N/A	N/A	02

APPL-NO: 8/ 941794

DATE FILED: September 30, 1997

PARENT-CASE:

1. CROSS-REFERENCE TO RELATED APPLICATIONS This application claims the benefit of U.S. Provisional Patent Application Ser. No. 60/028,234; filed Oct. 1, 1996, entitled Method and Apparatus for Improved Building Automation; and U.S. Provisional Patent Application Ser. No. 60/028,168; filed Oct. 11, 1996, entitled Method and Apparatus for Improved Building Automation.

INT-CL: [7] G05B 11/01

US-CL-ISSUED: 700/19, 700/20, 700/17, 700/286, 700/287, 340/825.06, 340/825.52, 340/825.69, 340/825.72

US-CL-CURRENT: 700/19; 340/825.52, 340/825.69, 340/825.72, 700/17, 700/20, 700/286, 700/287

FIELD-OF-SEARCH: 700/2, 700/3, 700/9, 700/10-20, 700/17, 700/83, 700/86-87, 700/296-300, 700/280, 700/267, 340/825.06, 340/825.52, 340/825.69, 340/825.72, 340/310.01

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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<input type="checkbox"/>	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5086385</u>	February 1992	Launey et al.	700/83
<input type="checkbox"/>	<u>5128855</u>	July 1992	Hilber et al.	700/3
<input type="checkbox"/>	<u>5289365</u>	February 1994	Caldwell et al.	700/9
<input type="checkbox"/>	<u>5557545</u>	September 1996	Loffel et al.	700/9
<input type="checkbox"/>	<u>5706191</u>	January 1998	Bassett et al.	700/9
<input type="checkbox"/>	<u>5761083</u>	June 1998	Brown et al.	700/16
<input type="checkbox"/>	<u>5801940</u>	September 1998	Russ et al.	700/9
<input type="checkbox"/>	<u>5815086</u>	September 1998	Ivie et al.	340/825.75
<input type="checkbox"/>	<u>5924486</u>	July 1999	Ehlers et al.	165/238

ART-UNIT: 276

PRIMARY-EXAMINER: Gordon; Paul P.

ASSISTANT-EXAMINER: Patel; Ramesh

ATTY-AGENT-FIRM: Hunn; Melvin A.

ABSTRACT:

An improved building automation system is provided which is modular in design thus minimizing the amount of instruction necessary to affect control of a particular building system. A relatively small set of interprocess control commands define an interprocess control protocol which is utilized in relatively high level scripts and control applications. The improved building automation system operates to translate control instructions in one particular control protocol to control instructions in a second control protocol. A text parsing program routes interprocess communication commands between modular communication programs to affect control over the automated building systems. The text parsing program includes executable instructions which allow for conditional communication of interprocess control commands depending upon system events.

75 Claims, 102 Drawing figures

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L8: Entry 3 of 9

File: USPT

May 16, 2000

US-PAT-NO: 6063128

DOCUMENT-IDENTIFIER: US 6063128 A

TITLE: Object-oriented computerized modeling system

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bentley; Keith	Glenmore	PA	N/A	N/A
Wilson; Samuel	Wilmington	DE	N/A	N/A
Lutz; Earlin	West Chester	PA	N/A	N/A
Bartlett; James	Elverson	PA	N/A	N/A
Gooding; John	Spring City	PA	N/A	N/A

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Bentley Systems, Incorporated	Exton	PA	N/A	N/A	02

APPL-NO: 8/ 966888

DATE FILED: November 10, 1997

PARENT-CASE:

This is a division of application Ser. No. 08/612,622, filed Mar. 6, 1996, now U.S. Pat. No. 5,815,415. This application claims benefit of provisional application 60/010,234 filed Jan. 19, 1996. This application claims benefit of provisional application 60/011,285, filed Feb. 7, 1996.

INT-CL: [7] G06G 7/48, G06F 17/50

US-CL-ISSUED: 703/6; 703/7, 703/1, 706/919, 345/964

US-CL-CURRENT: 703/6; 345/964, 703/1, 703/7, 706/919

FIELD-OF-SEARCH: 395/500.34, 395/500.27, 395/683, 395/500.28, 395/701, 395/500.01, 395/964, 707/103, 364/474.24, 706/919

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4809170	February 1989	Leblang et al.	395/705
<input type="checkbox"/> 4951192	August 1990	Chase, Jr. et al.	395/706
<input type="checkbox"/> 5339435	August 1994	Lubkin et al.	395/500.47
<input type="checkbox"/> 5347632	September 1994	Filepp et al.	709/202
<input type="checkbox"/> 5437027	July 1995	Bannon et al.	707/103
<input type="checkbox"/> 5546595	August 1996	Norman et al.	395/500.42
<input type="checkbox"/> 5625580	April 1997	Read et al.	395/500.92
<input type="checkbox"/> 5634010	May 1997	Ciscon et al.	709/223
<input type="checkbox"/> 5815415	September 1998	Bentley et al.	395/500.24
<input type="checkbox"/> 5911074	June 1999	Leprince et al.	395/701
<input type="checkbox"/> 5987242	November 1999	Bentley et al.	395/500.34

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Dasgupta, P.; LeBalnc, R. J., Jr.' Ahamad, M.; Ramachandran, U.; "The Clouds Distrubted Operatin System", Computer, vol. 24, Issue 11, pp. 34-44, Nov. 1991.

Kramer, D; Joy, B.; Spenoff, D.; "The Java.TM. Platform: A White Paper", JavaSoft, Sun Microsystems Inc., Mountain View, CA, May 1996.

Mitchell, J. G.; Gibbons, J. J.; Hamilton, G.; Kessler, P.B. Khalidi, Y. A.; Kougiouris, P.; Madany, P.W.; Nelson, M. N.; Powell, M. L.; Radia, S. R.; "An Overview of the Spring System", Digest of Papers-COMPCON Spring '94, pp. 122-131, Apr. 1994.

Gunaseelan, L.; LeBlanc, R. J., Jr.; "Distributed Eiffel: A Language for Programming Multi-granulr Distributed Objects on the Clouds Operating System", Proceedings of the 1992 International Conference on Computer Languages, pp. 331-340, Apr. 1992.

Sommer, J.; "The DaCapo Project: Distributed, Active, Communicating, Persistent Objects", Proceedings of the Second International Workshop on Object Oriented in Operating Systems, pp. 129-132, Sep. 1992.

Ben-Shaul, I.; Cohen, A.; Holder, O.; Lavva, B.; "HADAS: A Network Centric Framework for Interoperability Programming", Proceedings of the Second IFCIS International Conference on Cooperative Information Systems, pp. 120-129, Jul. 1997.

Bottger et al., "An Object-Oriented Model for Specification, Prototyping, Implementation and Reuse", Proceedings of the Design, Automation and Test in Europe, 1998, pp. 303-310, Feb. 1998.

MicroStation J Whitepaper, downloaded from the internet at <http://www.bentley.com/products/mstation/j/msjwhite.pdf>.

MicroStation J News Release, downloaded from the internet at <http://www.bentley.com/news/headline/msjships.htm>.

ART-UNIT: 273

PRIMARY-EXAMINER: Teska; Kevin J.

ASSISTANT-EXAMINER: Sergeant; Douglas W.

ATTY-AGENT-FIRM: Akin, Gump, Strauss, Hauer & Feld, L.L.P.

ABSTRACT:

A computer system for modeling is disclosed, where the computer system has a storage device, first and second platforms, a portable persistent model, and first and second platform-dependent computerized modeling systems (CMS). Each platform is interfaced to the storage device and provides system-dependent services. The first platform has a first type of operating system and a first type of computer hardware including a first memory, and the second platform has a second type of operating system and a second type of computer hardware including a second memory. The model resides in the storage device in a platform-independent format and includes persistent component objects. The first CMS resides in the first platform memory and the second platform-dependent CMS resides in the second platform memory. Each CMS provides CMS services including retrieving the model from the storage device, manipulating the model, changing the model by adding and removing persistent objects, and persistently saving the model to the storage device. Each CMS includes a

static kernel and a dynamic framework. The kernel executes on the platform and interfaces to the operating system and the computer hardware, and provides services necessary to load and execute CMS services and to interface to the platform services. The framework executes on the platform and interfaces to the kernel, provides a platform-independent

visual interface between the CMS and a CMS user, and employs the services of the kernel.

24 Claims, 26 Drawing figures

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L10: Entry 7 of 59

File: USPT

Oct 24, 2000

US-PAT-NO: 6138098

DOCUMENT-IDENTIFIER: US 6138098 A

TITLE: Command parsing and rewrite system

DATE-ISSUED: October 24, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shieber; Stuart M.	Cambridge	MA	N/A	N/A
Armstrong; John	Cambridge	MA	N/A	N/A
Baptista; Rafael Jose	Arlington	MA	N/A	N/A
Bentz; Bryan A.	Stonington	CT	N/A	N/A
Ganong, III; William F.	Brookline	MA	N/A	N/A
Selesky; Donald Bryant	Westford	MA	N/A	N/A

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Lernout & Hauspie Speech Products N.V.	Ypres	N/A	N/A	BEX	03

APPL-NO: 8/ 885631

DATE FILED: June 30, 1997

INT-CL: [7] G10L 15/18, G10L 15/22

US-CL-ISSUED: 704/257; 704/275

US-CL-CURRENT: 704/257; 704/275

FIELD-OF-SEARCH: 704/8, 704/9, 704/257, 704/270, 704/275, 395/703, 395/705, 395/707, 395/709, 395/708

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4829423	May 1989	Tennant et al.	704/8
<input type="checkbox"/> 4984178	January 1991	Hemphill et al.	704/255
<input type="checkbox"/> 5349526	September 1994	Potts, Sr. et al.	364/419.1
<input type="checkbox"/> 5475588	December 1995	Schabes et al.	704/9
<input type="checkbox"/> 5640576	June 1997	Kobayashi et al.	395/759
<input type="checkbox"/> 5805775	September 1998	Eberman et al.	704/257
<input type="checkbox"/> 5819210	October 1998	Maxwell, III et al.	704/9
<input type="checkbox"/> 5835893	November 1998	Usioda	704/9

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO

PUBN-DATE

COUN

US-CL

0 394 628

February 1990

EPX

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Parr, Terence J., "An Overview of Sorcerer: A Simple Tree-Parser Generator", Int'l Conference on Compiler Construction; Edinburg, Scotland; Apr. 1994.
Unknown Author, The Free Compiler list -BNF Subset: "Description of Sorcerer: A Simple Tree Parser Generator", Web Document <http://archive.inesc.pt/free-dir/free-S-1.300.html>
Posting date (estimated): May 16, 1994.
Roe, David B., et al, "A Spoken Language Translator for Restricted-Domain Context-Free Languages", Speech Communication II, (1992), pp. 311-319.
Wellekens, C. J., et al, "Decodage Acoustique et Analyse Linguistique en Reconnaissance De La Parole", E Revenue HF, vol. 13, No. 5 (1985).
Zue, Victor, et al, "The Voyager Speech Understanding System: Preliminary Development and Evaluation", IEEE, (1990), pp. 73-76.

ART-UNIT: 271

PRIMARY-EXAMINER: Dorvil; Richemond

ASSISTANT-EXAMINER: Lerner; Martin

ATTY-AGENT-FIRM: Bromberg & Sunstein LLP

ABSTRACT:

A system and method of allowing a user to control a computer application with spoken commands, include the steps of processing the spoken commands with a Speech Recognition application into candidate word phrases, and parsing at least one candidate word phrase with a Context Free Grammar (CFG) parser, into a parse tree. A plurality of predefined rewrite rules grouped into a plurality of phases applied are to the parse tree, for rewriting the parse tree. Each of the plurality of rewrite rules includes a pattern matching portion, for matching at least a part of the parse tree, and a rewrite component, for rewriting the matched part. A command string is produced by traversing each terminal node of the modified parse tree. The command string is sent to an interpreter application or directly to the computer application. Possible applications include word processing and other voice-entry systems.

23 Claims, 15 Drawing figures